

# **Missouri Assessment Program Spring 2005**

**Science**

**Released Items**

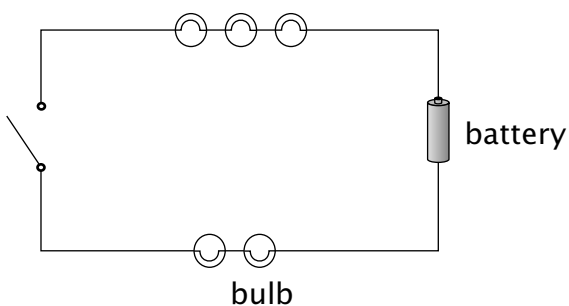
**Grade 7**



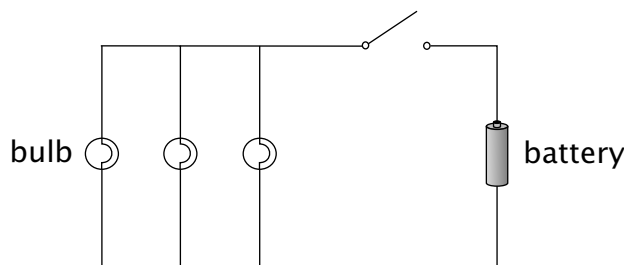
**CTB  
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**5** Which drawing below shows light bulbs connected in a parallel circuit? \_\_\_\_\_



**A**



**B**

What is an advantage of using a parallel circuit to make a string of decorative (party) lights?

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*Go On* ►

7

A seventh-grade science team was impressed with a magazine article on body language. The team had access to a video camera. Without telling their classmates, they videotaped their classmates at lunch through a one-way mirror.

- (a) May they use and publish the information in this video as part of a report? Explain your answer.

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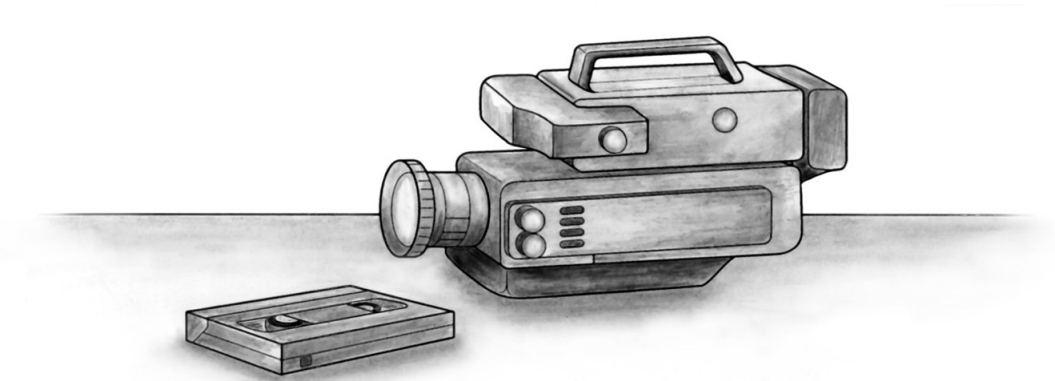
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- (b) How can this team obtain and use videotapes of individuals behaving spontaneously at unguarded moments?

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**8**

Some cells have structures called chloroplasts, which contain the green pigment chlorophyll.

- (a) Explain the role of chloroplasts in these cells.

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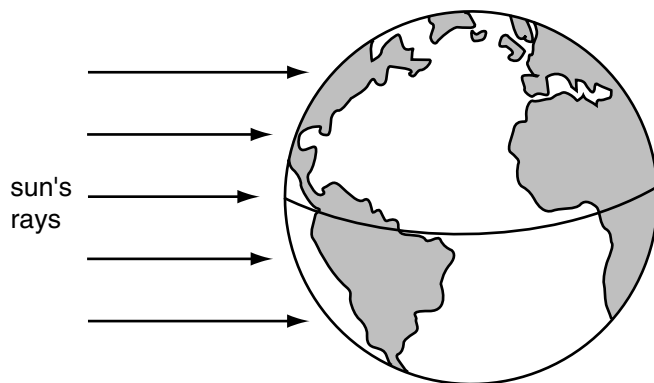
- (b) Name two things from the environment that chloroplasts must have to perform this role.

1. 

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2. 

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Explain why sunlight creates a pattern of decreasing temperature as someone moves from the equator toward areas at higher latitudes.

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